

Claims

1. A support part (3) having at least one locating hole (2) in which a fixing pin (1) is captively arranged, characterized in that the fixing pin (1) has a bottom insertion section (1c) and a center shank section (1b) and also a top retaining section (1a) with a number of retaining teeth (12, 13) of different length, at least one comparatively long retaining tooth (12) overlapping a hole edge (15) of the locating hole (2) at the top and at least one comparatively short retaining tooth (13) undercutting the hole edge (15) on the underside.

2. The support part as claimed in claim 1, characterized in that the comparatively long retaining tooth (12) is angled outward at the end.

3. The support part as claimed in claim 1 or 2, characterized in that the comparatively short retaining tooth (13) is angled outward or inward at the end.

4. The support part as claimed in one of claims 1 to 3, characterized in that the retaining teeth (12, 13) of the fixing pin (1) are elastic.

5. The support part as claimed in one of claims 1 to 4, characterized in that the comparatively long retaining teeth (12) of the fixing pin (1) are bent at least slightly outward.

6. The support part as claimed in one of claims 1 to 5, characterized in that the comparatively short retaining teeth (13) of the fixing pin (1) are bent at least slightly outward, the circumferential diameter (C) of the fixing pin (1) at the free end of the comparatively short retaining teeth (13) being greater than the hole diameter (A) of the locating hole (2).

7. The support part as claimed in one of claims 1 to 6, characterized by a cylindrical shank section (1b) of the

fixing pin (1) extending between the retaining section (1a) and the insertion section (1c).

8. The support part as claimed in one of claims 1 to 7,
5 characterized in that the insertion section (1c) of the fixing pin (1) is designed to be elastic.

9. The support part as claimed in one of claims 1 to 8,
characterized in that the insertion section (1c) of the fixing
10 pin (1) is recessed over its section length *by formation of* ~~while~~ push-in arms (20) are formed.

10. The support arm as claimed in one of claims 1 to 9,
characterized in that the insertion section (1c), at the end,
15 has a bevel (19) directed inward.

11. The support part as claimed in one of claims 1 to 10,
characterized in that the fixing pin (1), on the
circumference, has at least one prominence (18) for enlarging
20 the pin diameter (D).

12. The support part as claimed in one of claims 1 to 11,
characterized in that the fixing pin (1) is designed as a one-
piece sleeve.

25 13. The support part as claimed in one of claims 1 to 12,
characterized in that the fixing pin (1) has a continuous
longitudinal slot (24) running in the axial direction.

30 14. The support part as claimed in one of claims 1 to 13,
characterized in that the fixing pin (1) is held with radial
clearance (22) and/or axial clearance in the locating hole
(2).

35 15. The support part as claimed in claim 13, characterized in
that the comparatively long retaining teeth (12) are angled
outward in such a way that said retaining teeth (12) bear
against the hole edge (15) of the locating hole (2).

16. The support part as claimed in claim 15, characterized in that the fixing pin (1) is held in the locating hole (2) in a centered manner.

5

17. A fixing pin (1) for positioning and/or retaining a support part (3), in particular a gasket, on a mounting part (6), in particular a cylinder head of a piston engine, characterized by a retaining section (1a), having a number of 10 retaining teeth (12, 13) of different length accommodating a hole edge (15) of a locating hole (2) of the support part (3) between them, and a center shank section (1b), which can be inserted into a hole (8) of the mounting part (6) via an insertion section (1c), for producing a push-in connection 15 between the support part (3) and the mounting part (6).

18. The fixing pin (1) as claimed in claim 17, having lugs (25) which are integrally formed on the comparatively long retaining teeth (12) and form a virtually closed ring (27).